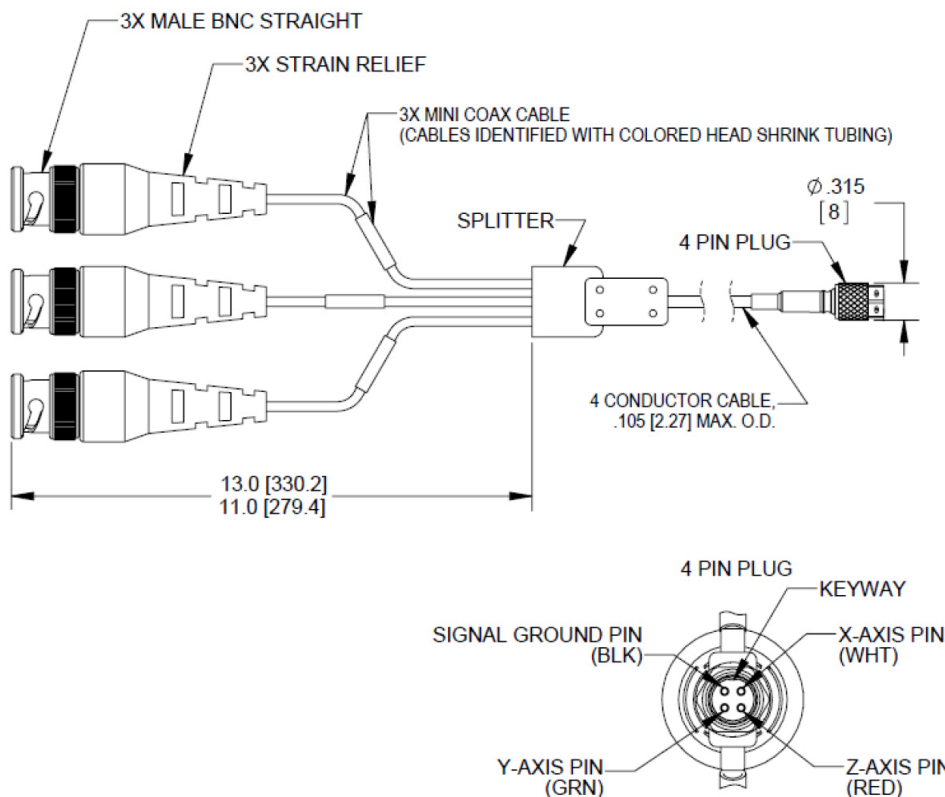


Breakout cable for triaxial ISOTRON® accelerometers Model 3027AM17



STANDARD TOLERANCE
INCHES [MILLIMETERS]
.XX = ± .02 [X = ± .5]
.XXX = ± .010 [XX = ± .25]

The model 3027AM17 is a breakout cable assembly for use with Endevco triaxial ISOTRON accelerometers. The 4-pin plug, on the accelerometer end, meets the IP67 requirements for water and dust resistance. The plug has knurled coupling nut for easy installation. The instrumentation end features three BNC straight connectors. Each of the instrumentation end cables is identified with colored shrink tubing.

For operation beyond the cable assembly's specified temperature range, an extension cable assembly (Model 3027AVM13) must be used.

Key features

- IP67 4 pin plug
- For use with the 65, 66, and 67 series accelerometers
- BNC connectors on instrumentation end of the cable assembly

Breakout cable for triaxial ISOTRON® accelerometers Model 3027AM17

Specifications

All values taken at room temperature, approximately 75°F [24°C].

	Units	3027AM17
Connectors		
Connector 1, transducer end		4 pin plug, IP67 water resistant
Connector 2, instrumentation end		Three male BNC straight plugs
Cable, transducer end		
Color		Black
Outer jacket		Polyvinyl chloride (PVC)
Conductors		Four conductors; white, green, red, black
Conductor material		Tinned copper
Conductor size	AWG	28
Primary insulation		Polyvinyl chloride
Cable type		4 conductor, shielded
Diameter	in (mm)	0.105 (2.27) max.
Shield material		Alumylar™
Cable, instrumentation end		
Type		Three type RG-174U, mini coaxial
Color		Black
Cable pull out	lb (kg)	20 (9.07) typ. 15 (6.8) min.
Environmental Characteristics		
Minimum temperature [1]	°F (°C)	-67 (-55)
Maximum temperature [1]	°F (°C)	185 (85)
Shock	g peak	10,000 max.
Sinusoidal vibration	g peak	1000
Electrical		
Insulation resistance	G Ω	1, min.
Capacitance	pF/ft	30

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Length tolerance tabulation

Length inches (millimeters)	Tolerance inches (millimeters)
Up to 12 (304.8)	+ 1.0 (25.4)
13 to 36 (330.2 to 914)	+ 2.0 (50.8)
37 to 120 (939.8 to 3.05 meters)	+ 4.0 (101.6)
Over 120 (3.05 meters)	+4 (101.6) per 120 (3.05) or part thereof (+12 (3.05) = maximum tolerance)

Notes

1. For temperatures above 185 °F (85°C) but below 257°F (-125°C) or for temperatures below -67°F (-55°C) but above -148°F (-100°C) this cable assembly must be used with cable assembly 3027AVM13.
2. STEP file available upon request

Ordering Information:

1. Specify as 3027AM17-XXX where XXX= length of cable assembly in inches.
2. Maintain high levels of precision and accuracy using Endevco's factory calibration services. Call Endevco's inside sales force at 866-ENDEVCO for recommended intervals, pricing and turn-around time for these services as well as for quotations on our standard products.

Contact

ENDEVCO

www.endevco.com

Tel: +1 (866) ENDEVCO

[+1 (866) 363-3826]